IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.-12. (Canceled)

13. (New) A detecting device, comprising:

a drive main portion including a first power supply and a second power supply;

an optical pickup;

a cable for connecting the drive main portion and the optical pickup;

a first transmission path whose first end is connected to the first power supply of the drive main portion, and whose second end is connected to the optical pickup through the cable;

an amplifier, which is incorporated in the optical pickup device, which is connected to a second end of the first transmission path, and which includes a first input portion which is connected to the second end of the first transmission path;

a photodetector, which is incorporated in the optical pickup and whose first end is connected to a second input portion of the amplifier;

a second transmission path whose first end is connected to the second end of the first transmission path, and whose second end is connected to the drive main portion through the cable;

a third transmission path whose first end is connected to an output terminal of the amplifier, and whose second end is connected to the drive main portion through the cable;

a differential amplifier, which is provided in the drive main portion, which includes a first input terminal connected to the second end of the second transmission path, which includes a second input terminal connected to the second end of the third transmission, which operates by being connected to the second power supply, and which amplifies an output signal of the amplifier, and outputs the output signal of the amplifier; and

a signal processing portion, which is incorporated in the drive main portion, which operates by being connected to the second power supply, the second power supply being connected to the first power supply, and which performs signal processing with respect to an output from the differential amplifier.